## KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test	t:		•		(	See Instruct	tions on Reve	erse Side	e)				
Open Flow													
Deliverabilty					Test Date 03/24/20			API No. 15 15-175-20312-0000					
Company MERIT ENERGY COMPANY							Lease HITCH E	Lease HITCH E			Well Number		
County Location SEWARD 2340 FNL & 2540 FWL				Section 28		TWP 32S		RNG (E/W) 34W			Acres Attributed 640		
Field HOLT				Reservoir COUNC	IL GROVE		Gas Gathe DCP		hering Conn	ection			
Completion Date 09/21/1977				Plug Bac 3069	k Total Dept	th		Packer Set at					
Casing \$ 4.5	Casing Size Weight 4.5 9.5			Internal D 4.090	Diameter	Set at 3109		Perforations 2928		то 2978			
Tubing S 2.375	Tubing Size Weight 2.375 4.7			t	Internal I 1.995	Diameter		Set at Per 3050		rations	То		
Type Completion (Describe) SINGLE-GAS					Type Fluid Production WATER				Pump Unit or Traveling Plunger? Yes / No YES - BEAM PUMP				
Producing Thru (Annulus / Tubing) ANNULUS				% C	arbon Dioxi	de		% Nitrogen 15.7441%		Gas Gravity - G <sub>e</sub> 0.708			
Vertical D	Depth(l	1)			-	Pressure Taps					(Meter	Run) (Prover) Size	
2953 FLANGE 3.068									<del> </del>				
Pressure Buildup: Shut in 03/24 20 15 at 10:00 AM (AM) (PM)						(AM) (PM)	Taken_0	3/24	20	15 at 10:00	AM (AM) (PM)		
Well on L	ine:		Started	2	10 at		(AM) (PM) 1	Taken		20	at	(AM) (PM)	
						OBSERVE	D SURFACE	DATA			Duration of Shut	in 24 Hours	
Static / Orific  Dynamic Size  Property (inches		e Prover Pressure		Pressure Differential re in	Flowing Well Head Temperature t t		Casing Wellhead Pressure $(P_w)$ or $(P_1)$ or $(P_2)$		Tubing Wellhead Pressure (P <sub>w</sub> ) or (P <sub>l</sub> ) or (P <sub>c</sub> )		Duration (Hours)	Liquid Éroduced (Barrels)	
Property (inch		psig (Pm)		Inches H <sub>2</sub> 0	<u> </u>		psig psia		psig psla		24		
Flow						-	-			<del> </del>		<del></del>	
11944			<u> </u>		<u> </u>	FLOWSTR	LEAM ATTRIE						
			Circle one;			1204 511	Flowing	70,120				Flowing	
Plate Coefficient $(F_b)(F_p)$ Mcfd		Meter or Prover Pressure psia		Press Extension ✓ P <sub>m</sub> x h	Grav Faci F <sub>c</sub>	lor T	Flowing Femperature Factor F <sub>I</sub>	Deviation Factor		Metered Flor R (Mcfd)	w GOR (Cubic Fe Barrel)	eeV Fluid	
							· <del>-</del>	_					
					(OPEN FL	OW) (DELIV	ERABILITY)	CALCUL	ATIONS	<u></u>	(P.)	) <sup>2</sup> = 0.207	
(P <sub>e</sub> )² =		_:	$(P_w)^2 =$	<u> </u>	P₀≕	9	% (Р <sub>с</sub>	- 14.4) +	14.4 =	:	(P <sub>a</sub> )		
$(P_c)^2 - (P_a)^2$ or $(P_c)^2 - (P_d)^2$		(P <sub>o</sub> ) <sup>2</sup> - (P <sub>w</sub> ) <sup>2</sup>		1. P <sub>d</sub> <sup>2</sup> - P <sub>d</sub> <sup>2</sup> LOG of formula 2. P <sub>d</sub> <sup>2</sup> - P <sub>d</sub> <sup>2</sup> and divide		Stop		sure Curve = = "n"		LOG	Antilog	Open Flow Deliverability Equals R x Antilog (Mcfd)	
			<del> -</del>	divided by: Pc2 - Pw	2 by:	<u> </u>	Standar	d Slope	<del>  -</del> -			(,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	
								_					
Open Flow			Mcfd @ 14.	cfd @ 14.65 psia			Deliverability		Mcfd @ 14.65 psia				
		_	•		, ,						ort and that he ha		
the facts s	tated t	herei	n, and that sa	id report is true	e and correc	t. Executed	this the 30t	h	day of N	lovember		, <sub>20</sub> <u>15</u>	
					Received				Merit Energy Company				
Witness (if any)					KANSAS CORPORATION COMMISSION				For Company Katherine McClurkan				
			For Comm	ission		DEC 0	2 2015 -				cked by		

I declare under penalty of perjury under the laws of the state of Kansas that I am authorized to request exempt status under Rule K.A.R. 82-3-304 on behalf of the operator Merit Energy Company and that the foregoing pressure information and statements contained on this application form are true and correct to the best of my knowledge and belief based upon available production summaries and lease records of equipment installation and/or upon type of completion or upon use being made of the gas well herein named.  I hereby request a one-year exemption from open flow testing for the Hitch E 3 gas well on the grounds that said well:
(Check one)  is a coalbed methane producer  is cycled on plunger lift due to water  is a source of natural gas for injection into an oil reservoir undergoing ER  is on vacuum at the present time; KCC approval Docket No
I further agree to supply to the best of my ability any and all supporting documents deemed by Commission staff as necessary to corroborate this claim for exemption from testing.
Date: November 30, 2015
Received Signature: Katherine McClurkan Lahouil McClurken  KANSAS CORPORATION COMMISSION  DEC 0 2 2015  CONSERVATION DIVISION WICHITA, KS

## Instructions:

If a gas well meets one of the eligibility criteria set out in KCC regulation K.A.R. 82-3-304, the operator may complete the statement provided above in order to claim exempt status for the gas well.

At some point during the current calendar year, wellhead shut-in pressure shall have been measured after a minimum of 24 hours shut-in/buildup time and shall be reported on the front side of this form under **OBSERVED SURFACE DATA**. Shut-in pressure shall thereafter be reported yearly in the same manner for so long as the gas well continues to meet the eligibility criterion or until the claim of eligibility for exemption **IS** denied.

The G-2 form conveying the newest shut-in pressure reading shall be filed with the Wichita office no later than December 31 of the year for which it's intended to acquire exempt status for the subject well. The form must be signed and dated on the front side as though it was a verified report of annual test results.